Journal of Fluids Engineering

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Abbott, James — (see Feng, Shihai) **128**, 157–163
Abdou, Hesham A. M. — (see Mikhail, S.) **128**, 203(E)
Abou-Ellail, Mohsen — (see Mikhail, S.) **128**, 203(E)
Acrivos, Andreas — (see James, Conrad D.) **128**, 14–19
Adamkowski, Adam, and Lewandowski, Mariusz — Experimental Examination of Unsteady Friction Models for Transient Pipe Flow Simulation. **128**, 1351–1363
Afzal, Noor, Seena, Abu, and Bushra, Afzal — Power Law Turbulent Velocity Profile in Transitional Rough Pipes. **128**, 548–558
Aguirre, Roberto C., Catrakis, Haris J., Nathman, Jennifer C., and Garcia, Philip J. — Robust Volume-Based Approach for the Turbulent Mixing Efficiency. **128**, 864–873
_____, **Nathman, Jennifer C., and Catrakis, Haris C.** — Flow Geometry Effects on the Turbulent Mixing Efficiency. **128**, 874–879(TB)
Ahmad, T. — (see Andaleeb, A. F.) **128**, 717–725
Ahmad, Tariq, and Hassan, Ibrahim — Experimental Investigation on the Onset of Gas Entrainment from a Stratified Two-Phase Region Through Multiple Branches Mounted on a Curved Surface. **128**, 726–733
_____, **and Hassan, Ibrahim** — Erratum: "Experimental Investigation on the Onset of Gas Entrainment from a Stratified Two-Phase Region Through Multiple Branches Mounted on a Curved Surface" [Journal of Fluids Engineering, 2006, **128**(4), pp. 726–733]. **128**, 1400(E)
Ahmed, I., and Bergman, T. L. — Optimization of Plasma Spray Processing Parameters for Deposition of Nanostructured Powders for Coating Formation. **128**, 394–401
Ahmed, Mahmoud A. — Theoretical Analysis of the Onset of Gas Entrainment from a Stratified Two-Phase Region Through Two Side-Oriented Branches Mounted on a Vertical Wall. **128**, 131–141
Ahuja, Vineet, Hosangadi, Ashvin, Shipman, Jeremy, Daines, Russell, and Woods, Jody — Multi-Element Unstructured Analyses of Complex Valve Systems. **128**, 707–716
Ai, X. — (see Xu, B.) **128**, 1228–1235
Ainola, L. — (see Koppel, T.) **128**, 680–686
Al-Halhouli, A. T. — (see Kilani, M. I.) **128**, 618–627
Allen, Jacob C., and Ligrani, Phillip M. — Optimization of an Innovative Rotary Shaft Pump (RSP). **128**, 1281–1288
Al-Salaymeh, A. — (see Kilani, M. I.) **128**, 618–627
Álvarez-Hernández, Ángel R. — (see Dukhan, Nihad) **128**, 1004–1012
Amador, António, Sánchez-Juny, Martí, and Dolz, Josep — Characterization of the Nonaerated Flow Region in a Stepped Spillway by PIV. **128**, 1266–1273
Amromin, Eduard, Kopriva, Jim, Arndt, Roger E. A., and Wosnik, Martin — Hydrofoil Drag Reduction by Partial Cavitation. **128**, 931–936
Andaleeb, A. F., Hassan, I., Saleh, W., and Ahmad, T. — Modeling of the Onset of Gas Entrainment From a Stratified Two-Phase Region Through Branches on a Curved Surface. **128**, 717–725
Andrews, Malcolm J. — (see Kraft, Wayne N.) **128**, 488–493
Anton, Ioan — (see Susan-Resiga, Romeo) **128**, 177–189
Arndt, Roger E. A. — (see Amromin, Eduard) **128**, 931–936
Atsavapranee, Paisan — (see Shan, Jerry W.) **128**, 893–902
Attia, Hazem Ali — On the Effectiveness of Ion Slip on Steady MHD Flow and Heat Transfer Above a Rotating Disk With Ohmic Heating. **128**, 1236–1239
Avellan, François — (see Susan-Resiga, Romeo) **128**, 177–189
_____ (see Perrig, Alexandre) **128**, 350–358
Ayasoufi, Anahita — (see Rahmani, Ramin K.) **128**, 467–480
Azevedo, L. F. A. — (see Loureiro, B. V.) **128**, 42–54

Baert, R. S. G. — (see Huijnen, V.) **128**, 1181–1191
Bahrami, M., Yovanovich, M. M., and Culham, J. R. — Pressure Drop of Fully Developed, Laminar Flow in Rough Microtubes. **128**, 632–637(TB)
_____, **Yovanovich, M. M., and Culham, J. R.** — Pressure Drop of Fully-Developed, Laminar Flow in Microchannels of Arbitrary Cross-Section. **128**, 1036–1044
Baker, Roger C. — (see Wang, Tao) **128**, 1346–1350
Bakhtiyarov, Sayavur, Dupac, Mihai, and Overfelt, Ruel A. — Shape Recovery of a Levitated Aspherical Droplet From 2D Image Information. **128**, 463–466
Bakhtiyarov, Sayavur I. — Numerical Simulations and Experimental Study of Liquid Metal Flow Around Sand Core. **128**, 541–547
Bakir, Farid — (see Mejri, Imene) **128**, 1308–1323
Balachandar, S. — (see Zhang, L.) **128**, 1101–1105
Ballesteros-Tajadura, Rafael, Velarde-Suárez, Sandra, Hurtado-Cruz, Juan Pablo, and Santolaria-Morros, Carlos — Numerical Calculation of Pressure Fluctuations in the Volute of a Centrifugal Fan. **128**, 359–369
Barba, L. A. — Discussion: "Three-Dimensional Vortex Method for Gas-Particle Two-Phase Compound Round Jet" (Uchiyama, T., and Fukase, A., 2005, ASME J. Fluids Eng., **127**, pp. 32–40). **128**, 643–645(D)
Barbier, Charlotte, Humphrey, Joseph A. C., and Maslen, Eric — Experimental Study of the Flow in a Simulated Hard Disk Drive. **128**, 1090–1100
Bartyczak, Susan — (see Borg, John) **128**, 1295–1307
Battaglia, Francine, and Papadopoulos, George — Bifurcation Characteristics of Flows in Rectangular Sudden Expansion Channels. **128**, 671–679
Bau, H. H. — (see Riegelman, M.) **128**, 6–13
Bavière, R., Gamrat, G., Favre-Marinet, M., and Le Person, S. — Modeling of Laminar Flows in Rough-Wall Microchannels. **128**, 734–741
Baysal, Oktay, Köklü, Mehti, and Erbaş, Nurhak — Design Optimization of Micro Synthetic Jet Actuator for Flow Separation Control. **128**, 1053–1062
Beaugendre, Héloïse, Morency, François, and Habashi, Wagdi G. — Development of a Second Generation In-Flight Icing Simulation Code. **128**, 378–387
Behzadmehr, A., Mercadier, Y., and Galanis, N. — Sensitivity Analysis of Entrance Design Parameters of a Backward-Inclined Centrifugal Fan Using DOE Method and CFD Calculations. **128**, 446–453
Belamri, Thabet — (see Mejri, Imene) **128**, 1308–1323
Bennett, Dawn — (see James, Conrad D.) **128**, 14–19
Benra, F.-K. — Numerical and Experimental Investigation on the Flow Induced Oscillations of a Single-Blade Pump Impeller. **128**, 783–793
Bergman, T. L. — (see Ahmed, I.) **128**, 394–401

Bernal, Luis P. — (see Martin, Michael J.) **128**, 1045–1052
Blanchard, Danny, Ligrani, Phil, and Gale, Bruce — Miniature Single-Disk Viscous Pump (Single-DVP), Performance Characterization. **128**, 602–610
Blanco, Eduardo — (see González, José) **128**, 454–462
Bons, Jeffrey P. — (see McClain, Stephen T.) **128**, 579–586
Borg, John, Bartyczak, Susan, Swanson, Nancy, and Cogar, John R. — Impact and Dispersion of Liquid Filled Cylinders. **128**, 1295–1307
Bourdon, Christopher J., Olsen, Michael G., and Gorby, Allen D. — The Depth of Correlation in Micro-PIV for High Numerical Aperture and Immersion Objectives. **128**, 883–886(TB)
Bourgin, Patrick — (see Rousset, François) **128**, 27–33
Boyd, Iain D. — (see Martin, Michael J.) **128**, 1045–1052
Bramanti, Cristina — (see Cervone, Angelo) **128**, 326–331
Brear, Michael J., Kerrebrock, Jack L., and Epstein, Alan H. — Propulsion System Requirements for Long Range, Supersonic Aircraft. **128**, 370–377
Breuer, M. — (see Jovičić, N.) **128**, 559–567
Brown, N. M., and Lai, F. C. — Measurement of Permeability and Slip Coefficient of Porous Tubes. **128**, 987–992
Bunyawanichakul, P., Kirkpatrick, M. P., Sargison, J. E., and Walker, G. J. — Numerical and Experimental Studies of the Flow Field in a Cyclone Dryer. **128**, 1240–1250
Bushra, Afzal — (see Afzal, Noor) **128**, 548–558

Cai, Maolin, Kawashima, Kenji, and Kagawa, Toshiharu — Power Assessment of Flowing Compressed Air. **128**, 402–405(TB)
Campo, Antonio, Chikh, Salah, and Sablani, Shyam S. — Optimal Molar Gas Composition of Selected Gas Mixtures With Helium that Maximize Turbulent Free Convection Along Vertical Plates. **128**, 199–201(TB)
Carvalho, M. S. — (see de Pina, Eduarda P. F.) **128**, 223–231
Castelain, C. — (see Fellouah, H.) **128**, 34–41
Catrakis, Haris C. — (see Aguirre, Roberto C.) **128**, 874–879(TB)
Catrakis, Haris J. — (see Aguirre, Roberto C.) **128**, 864–873
Ceccio, Steven L. — (see Oweis, Ghanem F.) **128**, 751–764
_____ (see Oweis, Ghanem F.) **128**, 765–773
Cervone, Angelo, Bramanti, Cristina, Rapposelli, Emilio, and d'Agostino, Luca — Thermal Cavitation Experiments on a NACA 0015 Hydrofoil. **128**, 326–331
Chaiko, Mark A. — A Finite-volume Approach for Simulation of Liquid-column Separation in Pipelines. **128**, 1324–1335
Chang, Peter A. — (see Shan, Jerry W.) **128**, 893–902
Chaudhry, M. Hanif — (see Mohapatra, Pranab K.) **128**, 1106–1114
Chen, Darong — (see Chen, Haosheng) **128**, 1383–1389(TB)
Chen, Haosheng, Li, Jiang, and Chen, Darong — Study of Drag Forces on a Designed Surface in Bubbly Water Lubrication Using Electrolysis. **128**, 1383–1389(TB)
Chen, Huajun — (see Chen, Yitung) **128**, 258–265
Chen, Yitung, Chen, Huajun, Zhang, Jinsuo, and Hsieh, Hsuan-Tsung — Theoretical Analysis on the Secondary Flow in a Rotating Helical Pipe With an Elliptical Cross Section. **128**, 258–265
Cheng, H.-P., and Chien, C.-P. — Ejection Interaction of Two Adjacent Micropumps. **128**, 742–750
Chesnakas, Chris J. — (see Oweis, Ghanem F.) **128**, 751–764
_____ (see Oweis, Ghanem F.) **128**, 765–773
Chhabra, Sudhaker, Huq, Pablo, and Prasad, Ajay K. — Characteristics of Small Vortices in a Turbulent Axisymmetric Jet. **128**, 439–445
Chien, C.-P. — (see Cheng, H.-P.) **128**, 742–750
Chikh, Salah — (see Campo, Antonio) **128**, 199–201(TB)
Choi, Young-Do, Kurokawa, Junichi, and Matsui, Jun — Performance and Internal Flow Characteristics of a Very Low Specific Speed Centrifugal Pump. **128**, 341–349
Chou, Jian-Ren — (see Tsui, Yeng-Yung) **128**, 774–782
Chung, C. A., Weng, C. S., and Tu, M. Z. — The Periodical Shear Environment of a Cone-and-Plate Bioreactor. **128**, 388–393
Chung, Myung Kyoon — (see Park, Ju Yeop) **128**, 190–195(TB)
Cogar, John R. — (see Borg, John) **128**, 1295–1307
Collins, S. Patrick — (see McClain, Stephen T.) **128**, 579–586
Colmenares, José — (see Reyes-Gutiérrez, Miguel A.) **128**, 832–837
Costa, N. P., Maia, R., Proença, M. F., and Pinho, F. T. — Edge Effects on the Flow Characteristics in a 90 deg Tee Junction. **128**, 1204–1217
Craven, Brent A., and Settles, Gary S. — A Computational and Experimental Investigation of the Human Thermal Plume. **128**, 1251–1258
Cui, M. M. — Numerical Study of Unsteady Flows in a Scroll Compressor. **128**, 947–955
Culham, J. R. — (see Bahrami, M.) **128**, 632–637(TB)
_____ (see Bahrami, M.) **128**, 1036–1044

d'Agostino, Luca — (see Cervone, Angelo) **128**, 326–331
Daines, Russell — (see Ahuja, Vineet) **128**, 707–716
Dalton, Charles — (see Leutwyler, Zachary) **128**, 1074–1082
Dan Ciocan, Gabriel — (see Susan-Resiga, Romeo) **128**, 177–189
Das, Manab Kumar — (see Kanna, P. Rajesh) **128**, 1023–1035
Decent, S. P. — (see Uddin, J.) **128**, 968–975
de Goey, L. P. H. — (see Huijnen, V.) **128**, 1181–1191
de Pina, Eduarda P. F., and Carvalho, M. S. — Three-Dimensional Flow of a Newtonian Liquid Through an Annular Space with Axially Varying Eccentricity. **128**, 223–231
Deshpande, Abhijit P. — (see Sriram, S.) **128**, 413–420
de Souza Mendes, P. R. — (see Loureiro, B. V.) **128**, 42–54
Díaz, Katia María Argüelles — (see Oro, Jesús Manuel Fernández) **128**, 1390–1393(TB)
Djeridi, Henda — (see Mehel, Amine) **128**, 819–831
Dolz, Josep — (see Amador, António) **128**, 1266–1273
Dong, Haibo — (see Narasimhan, Mukund) **128**, 687–698
Dukhan, Nihad, Picón-Feliciano, Rubén, and Álvarez-Hernández, Ángel R. — Air Flow Through Compressed and Uncompressed Aluminum Foam: Measurements and Correlations. **128**, 1004–1012
Dupac, Mihai — (see Bakhtiyarov, Sayavur) **128**, 463–466
Durst, F. — (see Jovanović, J.) **128**, 118–130

Edwards, Jack R. — (see Neaves, Michael Dean) **128**, 284–296
Epstein, Alan H. — (see Brear, Michael J.) **128**, 370–377
Erbaş, Nurhak — (see Baysal, Oktay) **128**, 1053–1062
Esmail, N. — (see Le, M.) **128**, 1153–1163

Fan, R. — (see Gao, D.) **128**, 62–68
Farhat, Mohamed — (see Perrig, Alexandre) **128**, 350–358
Faure, Thierry M., Lusseyran, François, Gougat, Pierre, and Launay, François — Experimental Investigation of the Flow Distribution Inside a Tubular Heat Exchanger. **128**, 1218–1227
Favre-Marinet, M. — (see Bavière, R.) **128**, 734–741
Feigl, Kathleen, and Senaratne, Deepthika C. — Calculation of the Die Entry Flow of a Concentrated Polymer Solution Using Micro-Macro Simulations. **128**, 55–61
Fellouah, H., Castelain, C., Ould El Moctar, A., and Peerhossaini, H. — A Numerical Study of Dean Instability in Non-Newtonian Fluids. **128**, 34–41
Feng, Shihai, Graham, Alan L., Reardon, Patrick T., Abbott, James, and Mondy, Lisa — Improving Falling Ball Tests for Viscosity Determination. **128**, 157–163
Fernandez, Rene — (see Nori, Venkata) **128**, 494–506
Fomin, Sergei — Three Regimes of Non-Newtonian Rimming Flow. **128**, 107–112
Foss, John — (see Moreau, Stéphane) **128**, 699–706
Fox, R. O. — (see Gao, D.) **128**, 62–68
Fraigneau, Y. — (see Podvin, B.) **128**, 531–540
Frey, Sérgio — (see Zinani, Flávia) **128**, 856–863
Friedman, P. D. — Oscillation in Height of a Negatively Buoyant Jet.

128, 880–882(TB)
Frohnapfel, B. — (see Jovanović, J.) **128**, 118–130
Fry, David — (see Oweis, Ghanem F.) **128**, 751–764
_____ (see Oweis, Ghanem F.) **128**, 765–773
Fujii, Tadashi — (see Shiraishi, Tadashi) **128**, 1063–1073

Gabillet, Celine — (see Mehel, Amine) **128**, 819–831
Galambos, Paul — (see James, Conrad D.) **128**, 14–19
Galanis, N. — (see Behzadmehr, A.) **128**, 446–453
Gale, Bruce — (see Blanchard, Danny) **128**, 602–610
Gamrat, G. — (see Bavière, R.) **128**, 734–741
Gao, D., Fan, R., Subramaniam, S., Fox, R. O., and Hoffman, D. — Momentum Transfer Between Polydisperse Particles in Dense Granular Flow. **128**, 62–68
Garcia, Philip J. — (see Aguirre, Roberto C.) **128**, 864–873
Garnier, Eric — (see Tromeur, Eric) **128**, 239–246
George Bankoff, S. — (see Griffing, Evan M.) **128**, 276–283
Glassmeyer, S. R. — (see Wilkens, R. J.) **128**, 164–169
González, José, Parrondo, Jorge, Santolaria, Carlos, and Blanco, Eduardo — Steady and Unsteady Radial Forces for a Centrifugal Pump With Impeller to Tongue Gap Variation. **128**, 454–462
_____, **and Santolaria, Carlos** — Unsteady Flow Structure and Global Variables in a Centrifugal Pump. **128**, 937–946
Goodro, Matt — (see Zhang, Qiang) **128**, 568–578
Gorby, Allen D. — (see Bourdon, Christopher J.) **128**, 883–886(TB)
Gougat, P. — (see Podvin, B.) **128**, 531–540
Gougat, Pierre — (see Faure, Thierry M.) **128**, 1218–1227
Graham, Alan L. — (see Feng, Shihai) **128**, 157–163
Griffing, Evan M., George Bankoff, S., Miksis, Michael J., and Schluter, Robert A. — Electrohydrodynamics of Thin Flowing Films. **128**, 276–283
Gustavsson, Jonas — (see Nori, Venkata) **128**, 494–506

Habashi, Wagdi G. — (see Beaugendre, Héloïse) **128**, 378–387
Haddad, M., Labraga, L., and Keirsbulck, L. — Turbulence Structures Downstream of a Localized Injection in a Fully Developed Channel Flow. **128**, 611–617
Hassan, I. — (see Andaleeb, A. F.) **128**, 717–725
_____ (see Le, M.) **128**, 1153–1163
Hassan, Ibrahim — (see Ahmad, Tariq) **128**, 726–733
_____ (see Ahmad, Tariq) **128**, 1400(E)
Hassan, Yassin A — (see Ortiz-Villafuerte, Javier) **128**, 507–519
Hodge, B. Keith — (see McClain, Stephen T.) **128**, 579–586
Hoefnagels, Ad — (see Persoons, Tim) **128**, 656–670
Hoffman, D. — (see Gao, D.) **128**, 62–68
Horiguchi, Hironori, Semenov, Yury, Nakano, Masataka, and Tsujimoto, Yoshinobu — Linear Stability Analysis of the Effects of Camber and Blade Thickness on Cavitation Instabilities in Inducers. **128**, 430–438
Hosangadi, Ashvin — (see Ahuja, Vineet) **128**, 707–716
Hsieh, Hsuan-Tsung — (see Chen, Yitung) **128**, 258–265
Hu, Yu-Chang — (see Tsui, Yeng-Yung) **128**, 774–782
Huijnen, V., Somers, L. M. T., Baert, R. S. G., de Goey, L. P. H., Olbricht, C., Sadiki, A., and Janicka, J. — Study of Turbulent Flow Structures of a Practical Steady Engine Head Flow Using Large-Eddy Simulations. **128**, 1181–1191
Humphrey, Joseph A. C. — (see Barbier, Charlotte) **128**, 1090–1100
Huq, Pablo — (see Chhabra, Sudhaker) **128**, 439–445
Hurtado-Cruz, Juan Pablo — (see Ballesteros-Tajadura, Rafael) **128**, 359–369
Hussain, Yousif — (see Wang, Tao) **128**, 1346–1350
Hwang, Young-Kyu — (see Woo, Nam-Sub) **128**, 113–117
Hyakutake, T. — (see Mondal, R. N.) **128**, 1013–1022

Iaccarino, Gianluca, and Moreau, Stéphane — Natural and Forced Conjugate Heat Transfer in Complex Geometries on Cartesian Adapted Grids. **128**, 838–846
Ishii, Eiji, Ishikawa, Toru, and Tanabe, Yoshiyuki — Hybrid Particle/Grid Method for Predicting Motion of Micro- and Macrofree Surfaces. **128**, 921–930
Ishii, Mamoru — (see Lopez de Bertodano, Martin) **128**, 811–818
Ishikawa, Toru — (see Ishii, Eiji) **128**, 921–930
Itoh, Motoyuki, Suzuki, Masahiro, and Moroi, Takahiro — Swirling Flow of a Viscoelastic Fluid in a Cylindrical Casing. **128**, 88–94

James, Conrad D., Okandan, Murat, Galambos, Paul, Mani, Seethambal S., Bennett, Dawn, Khusid, Boris, and Acrivos, Andreas — Surface Micromachined Dielectrophoretic Gates for the Front-End Device of a Biodetection System. **128**, 14–19
Janicka, J. — (see Huijnen, V.) **128**, 1181–1191
Jawarneh, Ali M., and Vatistas, Georgios H. — Reynolds Stress Model in the Prediction of Confined Turbulent Swirling Flows. **128**, 1377–1382
Jessup, Stuart D. — (see Oweis, Ghanem F.) **128**, 751–764
_____ (see Oweis, Ghanem F.) **128**, 765–773
Johnson, Aaron N., Merkle, Charles L., Moldover, Michael R., and Wright, John D. — Relaxation Effects in Small Critical Nozzles. **128**, 170–176
Johnston, D. Nigel — Prediction of Fluid Inertance in Nonuniform Passageways. **128**, 266–275
Jouhaud, J.-C., Sagaut, P., and Labeyrie, B. — A Kriging Approach for CFD/Wind-Tunnel Data Comparison. **128**, 847–855
Jovanović, J., Pashtrapanska, M., Frohnapfel, B., Durst, F., Koskinen, J., and Koskinen, K. — On the Mechanism Responsible for Turbulent Drag Reduction by Dilute Addition of High Polymers: Theory, Experiments, Simulations, and Predictions. **128**, 118–130
_____ (see Jovičić, N.) **128**, 559–567
Jovičić, N., Breuer, M., and Jovanović, J. — Anisotropy-Invariant Mapping of Turbulence in a Flow Past an Unswept Airfoil at High Angle of Attack. **128**, 559–567
Judd, K. Peter — (see Phongikaroon, Supathorn) **128**, 913–920

Kaga, Y. — (see Mondal, R. N.) **128**, 1013–1022
Kagawa, Toshiharu — (see Cai, Maolin) **128**, 402–405(TB)
Kang, Hokeun — (see Ro, Kideok) **128**, 481–487
Kanna, P. Rajesh, and Das, Manab Kumar — Numerical Simulation of Two-Dimensional Laminar Incompressible Wall Jet Flow Under Backward-Facing Step. **128**, 1023–1035
Karimian, S. M. H. — (see Mirsajedi, S. M.) **128**, 297–304
Kassem, Ahmed — (see Mohapatra, Pranab K.) **128**, 1106–1114
Katz, Joseph — (see Siginer, Dennis) **128**, 202
Kawaguchi, Yasuo — (see Wei, Jinjia) **128**, 69–76
_____ (see Yu, Bo) **128**, 77–87
Kawall, J. G. — (see Yarusevych, S.) **128**, 587–595
Kawashima, Kenji — (see Cai, Maolin) **128**, 402–405(TB)
Keirsbulck, L. — (see Haddad, M.) **128**, 611–617
Keith, Theo G. — (see Rahmani, Ramin K.) **128**, 467–480
Keller, A. — (see Wienken, W.) **128**, 316–325
Kerrebrock, Jack L. — (see Brear, Michael J.) **128**, 370–377
Khusid, Boris — (see James, Conrad D.) **128**, 14–19
Kilani, M. I., Al-Salaymeh, A., and Al-Halhouli, A. T. — Effect of Channel Aspect Ratio on the Flow Performance of a Spiral-Channel Viscous Micropump. **128**, 618–627
Kim, Jin, Paterson, Eric G., and Stern, Frederick — RANS Simulation of Ducted Marine Propulsor Flow Including Subvisual Cavitation and Acoustic Modeling. **128**, 799–810
Kim, Sehoon, and Kwon, Sejin — Experimental Determination of Geometric Parameters for an Annular Injection Type Supersonic Ejector. **128**, 1164–1171
Kim, Young-Ju — (see Woo, Nam-Sub) **128**, 113–117

Kimura, Asano — (see Ogata, Satoshi) **128**, 794–798
Kirkpatrick, M. P. — (see Bunyawanichakul, P.) **128**, 1240–1250
Köklü, Mehti — (see Baysal, Oktay) **128**, 1053–1062
Konomura, Mamoru — (see Shiraishi, Tadáshi) **128**, 1063–1073
Koppel, T., and Ainola, L. — Identification of Transition to Turbulence in a Highly Accelerated Start-Up Pipe Flow. **128**, 680–686
Kopriva, Jim — (see Amromin, Eduard) **128**, 931–936
Kordonski, William I., Shorey, Aric B., and Tricard, Marc — Magnetorheological Jet (MR Jet™) Finishing Technology. **128**, 20–26
Koskinen, J. — (see Jovanović, J.) **128**, 118–130
Koskinen, K. — (see Jovanović, J.) **128**, 118–130
Kraft, Wayne N., and Andrews, Malcolm J. — Experimental Investigation of Unstably Stratified Buoyant Wakes. **128**, 488–493
Kueny, Jean-Louis — (see Perrig, Alexandre) **128**, 350–358
Kurokawa, Junichi — (see Choi, Young-Do) **128**, 341–349
Kwon, Sejin — (see Kim, Sehoon) **128**, 1164–1171

Labeyrie, B. — (see Jouhaud, J.-C.) **128**, 847–855
Labraga, L. — (see Haddad, M.) **128**, 611–617
Lai, F. C. — (see Brown, N. M.) **128**, 987–992
Launay, François — (see Faure, Thierry M.) **128**, 1218–1227
Le, M., Hassan, I., and Esmail, N. — DSMC Simulation of Subsonic Flows in Parallel and Series Microchannels. **128**, 1153–1163
Le Person, S. — (see Bavière, R.) **128**, 734–741
Lerma, Nelson — (see Nori, Venkata) **128**, 494–506
Leutwyler, Zachary, and Dalton, Charles — A Computational Study of Torque and Forces Due to Compressible Flow on a Butterfly Valve Disk in Mid-stroke Position. **128**, 1074–1082
Lewandowski, Mariusz — (see Adamkowski, Adam) **128**, 1351–1363
Li, B. Q. — (see Xu, B.) **128**, 1228–1235
Li, Fengchen — (see Wei, Jinjia) **128**, 69–76
Li, Hao, and Olsen, Michael G. — Aspect Ratio Effects on Turbulent and Transitional Flow in Rectangular Microchannels as Measured With MicroPIV. **128**, 305–315
Li, Jiang — (see Chen, Haosheng) **128**, 1383–1389(TB)
Ligrani, Phil — (see Blanchard, Danny) **128**, 602–610
Ligrani, Phillip M. — (see Zhang, Qiang) **128**, 568–578
_____ (see Allen, Jacob C.) **128**, 1281–1288
Lin, Frank K. T. — (see Yen, S. C.) **128**, 332–340
Liu, H. — (see Riegelman, M.) **128**, 6–13
Lopez de Bertodano, Martin, Sun, Xiaodong, Ishii, Mamoru, and Ulke, Asim — Phase Distribution in the Cap Bubble Regime in a Duct. **128**, 811–818
Loureiro, B. V., de Souza Mendes, P. R., and Azevedo, L. F. A. — Taylor-Couette Instabilities in Flows of Newtonian and Power-Law Liquids in the Presence of Partial Annulus Obstruction. **128**, 42–54
Lusseyran, F. — (see Podvin, B.) **128**, 531–540
Lusseyran, François — (see Faure, Thierry M.) **128**, 1218–1227
Lysak, Peter D. — Modeling the Wall Pressure Spectrum in Turbulent Pipe Flows. **128**, 216–222

Mahon, Stephen, and Zhang, Xin — Computational Analysis of a Inverted Double-Element Airfoil in Ground Effect. **128**, 1172–1180
Maia, R. — (see Costa, N. P.) **128**, 1204–1217
Malamataris, Nikolaos A. — (see Mitsoulis, Evan) **128**, 993–1003
Mani, M. — (see Mirsajedi, S. M.) **128**, 297–304
Mani, Seethambal S. — (see James, Conrad D.) **128**, 14–19
Marangoudakis, S. — (see Mitsoulis, Evan) **128**, 993–1003
Marín-Moreno, Juan C. — (see Reyes-Gutiérrez, Miguel A.) **128**, 832–837
Martin, Michael J., Scavazze, Kevin J., Boyd, Iain D., and Bernal, Luis P. — Design of a Low-Turbulence, Low-Pressure Wind-Tunnel for Micro-Aerodynamics. **128**, 1045–1052
Maslen, Eric — (see Barbier, Charlotte) **128**, 1090–1100
Matsui, Jun — (see Choi, Young-Do) **128**, 341–349
Matsuzaki, Kazuyoshi — (see Munekata, Mizue) **128**, 101–106
Mazumder, Sandip — On the Convergence of Higher Order Upwind Differencing Schemes for Tridiagonal Iterative Solution of the Advection-Diffusion Equation. **128**, 406–409(TB)
McClain, Stephen T., Collins, S. Patrick, Hodge, B. Keith, and Bons, Jeffrey P. — The Importance of the Mean Elevation in Predicting Skin Friction for Flow Over Closely Packed Surface Roughness. **128**, 579–586
McManus, James, and Zhang, Xin — A Computational Study of the Flow Around an Isolated Wheel in Contact With the Ground. **128**, 520–530
McWherter-Payne, Mary — (see Roy, Christopher J.) **128**, 1083–1089
Megias-Alguacil, David, and Windhab, Erich J. — Experimental Study of Drop Deformation and Breakup in a Model Multitoothed Rotor-Stator. **128**, 1289–1294
Mehel, Amine, Gabillet, Celine, and Djeridi, Henda — Bubble Effect on the Structures of Weakly Turbulent Couette Taylor Flow. **128**, 819–831
Mejri, Imene, Bakir, Farid, Rey, Robert, and Belamri, Thabet — Comparison of Computational Results Obtained From a Homogeneous Cavitation Model With Experimental Investigations of Three Inducers. **128**, 1308–1323
Meléndez-Ramírez, Antonio J. — (see Reyes-Gutiérrez, Miguel A.) **128**, 832–837
Mercadier, Y. — (see Behzadmehr, A.) **128**, 446–453
Merkle, Charles L. — (see Johnson, Aaron N.) **128**, 170–176
Mikhail, S., Abdou, Hesham A. M., and Abou-Ellail, Mohsen — Erratum: "Two-phase Flow in Jet Pumps for Different Liquids" [Journal of Fluids Engineering, 2005, **127**(5), pp. 1038–1042]. **128**, 203(E)
Miksis, Michael J. — (see Griffing, Evan M.) **128**, 276–283
Mirbozorgi, S. A., Niazmand, H., and Renksizbulut, M. — Electro-Osmotic Flow in Reservoir-Connected Flat Microchannels With Non-Uniform Zeta Potential. **128**, 1133–1143
Mirsajedi, S. M., Karimian, S. M. H., and Mani, M. — A Multizone Moving Mesh Algorithm for Simulation of Flow Around a Rigid Body With Arbitrary Motion. **128**, 297–304
Mitsoulis, Evan, Marangoudakis, S., Spyratos, M., Zisis, Th., and Malamataris, Nikolaos A. — Pressure-Driven Flows of Bingham Plastics Over a Square Cavity. **128**, 993–1003
Mittal, Rajat — (see Narasimhan, Mukund) **128**, 687–698
_____ (see You, Donghyun) **128**, 1394–1399(TB)
Mohapatra, Pranab K., Chaudhry, M. Hanif, Kassem, Ahmed, and Moloo, Jamaluddin — Detection of Partial Blockages in a Branched Piping System by the Frequency Response Method. **128**, 1106–1114
Moin, Parviz — (see You, Donghyun) **128**, 1394–1399(TB)
Moldover, Michael R. — (see Johnson, Aaron N.) **128**, 170–176
Moloo, Jamaluddin — (see Mohapatra, Pranab K.) **128**, 1106–1114
Mondal, R. N., Kaga, Y., Hyakutake, T., and Yanase, S. — Effects of Curvature and Convective Heat Transfer in Curved Square Duct Flows. **128**, 1013–1022
Mondy, Lisa — (see Feng, Shihai) **128**, 157–163
Moreau, Stéphane, Neal, Douglas, and Foss, John — Hot-Wire Measurements Around a Controlled Diffusion Airfoil in an Open-Jet Anechoic Wind Tunnel. **128**, 699–706
_____ (see Iaccarino, Gianluca) **128**, 838–846
Morency, François — (see Beaugendre, Héloïse) **128**, 378–387
Moroi, Takahiro — (see Itoh, Motoyuki) **128**, 88–94
Morros, Carlos Santolaria — (see Oro, Jesús Manuel Fernández) **128**, 1390–1393(TB)
Munekata, Mizue, Matsuzaki, Kazuyoshi, and Ohba, Hideki — Vortex Motion in a Swirling Flow of Surfactant Solution with Drag Reduction. **128**, 101–106
Murayama, Masahiro, Yoshida, Yoshiki, and Tsujimoto, Yoshinobu — Unsteady Tip Leakage Vortex Cavitation Originating From the Tip Clearance of an Oscillating Hydrofoil. **128**, 421–429

Nakano, Masataka — (see Horiguchi, Hironori) **128**, 430–438
Narasimhan, Arunn — (see Wilson, L.) **128**, 638–642(TB)
Narasimhan, Mukund, Dong, Haibo, Mittal, Rajat, and Singh, Sahjendra N. — Optimal Yaw Regulation and Trajectory Control of Biorobotic AUV Using Mechanical Fins Based on CFD Parametrization. **128**, 687–698
Nathman, Jennifer C. — (see Aguirre, Roberto C.) **128**, 864–873
_____ (see Aguirre, Roberto C.) **128**, 874–879(TB)
Neal, Douglas — (see Moreau, Stéphane) **128**, 699–706
Neaves, Michael Dean, and Edwards, Jack R. — All-Speed Time-Accurate Underwater Projectile Calculations Using a Preconditioning Algorithm. **128**, 284–296
Nhumaio, Geraldo C. S., and Watkins, A. Paul — Predictions of Charge Drift in a Concept Electrosprayed DISI Engine. **128**, 903–912
Niazmand, H. — (see Mirbozorgi, S. A.) **128**, 1133–1143
Nori, Venkata, Lerma, Nelson, Gustavsson, Jonas, Segal, Corin, and Fernandez, Rene — Forced Oscillations in a Mixed-Compression Inlet at Mach 3.5 for Pulse Detonation Engine Systems. **128**, 494–506

Ogata, Satoshi — (see Watanabe, Keizo) **128**, 95–100
_____, **Kimura, Asano, and Watanabe, Keizo** — Effect of Surfactant Additives on Centrifugal Pump Performance. **128**, 794–798
Ohba, Hideki — (see Munekata, Mizue) **128**, 101–106
Okandan, Murat — (see James, Conrad D.) **128**, 14–19
Olbricht, C. — (see Huijnen, V.) **128**, 1181–1191
Olsen, Michael G. — (see Li, Hao) **128**, 305–315
_____ (see Bourdon, Christopher J.) **128**, 883–886(TB)
Oro, Jesús Manuel Fernández, Morros, Carlos Santolaria, Díaz, Katia María Argüelles, and Ybarra, Pedro Luis García — Numerical Simulation of the Fuel Oil Cooling Process in a Wrecked Ship. **128**, 1390–1393(TB)
Ortiz-Villafuerte, Javier, and Hassan, Yassin A — Investigation of Microbubble Boundary Layer Using Particle Tracking Velocimetry. **128**, 507–519
Ould El Moctar, A. — (see Fellouah, H.) **128**, 34–41
Overfelt, Ruel A. — (see Bakhtiyarov, Sayavur) **128**, 463–466
Oweis, Ghanem F., Fry, David, Chesnakas, Chris J., Jessup, Stuart D., and Ceccio, Steven L. — Development of a Tip-Leakage Flow—Part 1: The Flow Over a Range of Reynolds Numbers. **128**, 751–764
_____, **Fry, David, Chesnakas, Chris J., Jessup, Stuart D., and Ceccio, Steven L.** — Development of a Tip-Leakage Flow Part 2: Comparison Between the Ducted and Un-ducted Rotor. **128**, 765–773

Palade, Liviu-Iulian — (see Rousset, François) **128**, 27–33
Pantokratoras, Asterios — The Classical Plane Couette-Poiseuille Flow With Variable Fluid Properties. **128**, 1115–1121(TB)
Papadopoulos, George — (see Battaglia, Francine) **128**, 671–679
Park, Ju Yeop, and Chung, Myung Kyoon — Study on Hydrodynamic Torque of a Butterfly Valve. **128**, 190–195(TB)
Parkinson, Etienne — (see Perrig, Alexandre) **128**, 350–358
Parrondo, Jorge — (see González, José) **128**, 454–462
Parry, A. J. — Numerical Prediction Method for Growth and Deformation of Filter Cakes. **128**, 1259–1265
Pashtrapanska, M. — (see Jovanović, J.) **128**, 118–130
Paterson, Eric G. — (see Kim, Jin) **128**, 799–810
Payne, Jeffrey — (see Roy, Christopher J.) **128**, 1083–1089
Peerhossaini, H. — (see Fellouah, H.) **128**, 34–41
Perrig, Alexandre, Avellan, François, Kueny, Jean-Louis, Farhat, Mohamed, and Parkinson, Etienne — Flow in a Pelton Turbine Bucket: Numerical and Experimental Investigations. **128**, 350–358
Persoons, Tim, Hoefnagels, Ad, and Van den Bulck, Eric — Experimental Validation of the Addition Principle for Pulsating Flow in Close-Coupled Catalyst Manifolds. **128**, 656–670
Phongikaroon, Supathorn, and Judd, K. Peter — Surfactant Effects on the Free Surface Thermal Structure and Subsurface Flow in a Wind-Wave Tunnel. **128**, 913–920
Picón-Feliciano, Rubén — (see Dukhan, Nihad) **128**, 1004–1012
Pinho, F. T. — (see Costa, N. P.) **128**, 1204–1217
Podvin, B., Fraigneau, Y., Lusseyran, F., and Gougat, P. — A Reconstruction Method for the Flow Past an Open Cavity. **128**, 531–540
Popiel, Czeslaw O. — (see Wojtkowiak, Janusz) **128**, 196–198(TB)
Pradeep, A. M., and Sullerey, R. K. — Active Flow Control in Circular and Transitioning S-duct Diffusers. **128**, 1192–1203
Prasad, Ajay K. — (see Chhabra, Sudhaker) **128**, 439–445
Proença, M. F. — (see Costa, N. P.) **128**, 1204–1217
Pushpavanam, S. — (see Sriram, S.) **128**, 413–420

Qu, Junying — (see Ramamurthy, A. S.) **128**, 1126–1129(TB)

Rahman, M. M., and Siikonen, T. — A Low-Reynolds Number Explicit Algebraic Stress Model. **128**, 1364–1376
Rahmani, Ramin K., Keith, Theo G., and Ayasoufi, Anahita — Numerical Simulation and Mixing Study of Pseudoplastic Fluids in an Industrial Helical Static Mixer. **128**, 467–480
Ramamurthy, A. S., Qu, Junying, Vo, Diep, and Zhai, Chao — 3-D Simulation of Dividing Flows in 90 deg Rectangular Closed Conduits. **128**, 1126–1129(TB)
Ran, Jingyu, Zhang, Li, Tang, Qiang, and Xin, Mingdao — Numerical Simulation of the Particle Motion Characteristics in Boundary Layer of Gas-Solid Rotary Flow. **128**, 596–601
Rapposelli, Emilio — (see Cervone, Angelo) **128**, 326–331
Reardon, Patrick T. — (see Feng, Shihai) **128**, 157–163
Renksizbulut, M. — (see Mirbozorgi, S. A.) **128**, 1133–1143
Rey, Robert — (see Mejri, Imene) **128**, 1308–1323
Reyes-Gutiérrez, Miguel A., Rojas-Solórzano, Luis R., Marín-Moreno, Juan C., Meléndez-Ramírez, Antonio J., and Colmenares, José — Eulerian-Eulerian Modeling of Disperse Two-Phase Flow in a Gas-Liquid Cylindrical Cyclone. **128**, 832–837
Riegelman, M., Liu, H., and Bau, H. H. — Controlled Nanoassembly and Construction of Nanofluidic Devices. **128**, 6–13
Riley, James J. — Review of Large-Eddy Simulation of Non-Premixed Turbulent Combustion. **128**, 209–215
Rizzetta, Donald P., and Visbal, Miguel R. — Numerical Study of Active Flow Control for a Transitional Highly Loaded Low-Pressure Turbine. **128**, 956–967
Ro, Kideok, Zhu, Baoshan, and Kang, Hokeun — Numerical Analysis of Unsteady Viscous Flow Through a Weis-Fogh-Type Ship Propulsion Mechanism Using the Advanced Vortex Method. **128**, 481–487
Roberts, Stephen K., and Yaras, Metin I. — Large-Eddy Simulation of Transition in a Separation Bubble. **128**, 232–238
Rojas-Solórzano, Luis R. — (see Reyes-Gutiérrez, Miguel A.) **128**, 832–837
Rousset, François, Bourgin, Patrick, and Palade, Liviu-Iulian — Plane Poiseuille Flow of Two Compatible Polymers: Influence of the Interphase on the Flow Stability. **128**, 27–33
Roy, Christopher J., Payne, Jeffrey, and McWherter-Payne, Mary — RANS Simulations of a Simplified Tractor/Trailer Geometry. **128**, 1083–1089

Sablani, Shyam S. — (see Campo, Antonio) **128**, 199–201(TB)
Sadiki, A. — (see Huijnen, V.) **128**, 1181–1191
Sagaut, P. — (see Jouhaud, J.-C.) **128**, 847–855
Sagaut, Pierre — (see Tromeur, Eric) **128**, 239–246
Sago, Hiromi — (see Shiraishi, Tadashi) **128**, 1063–1073
Saleh, W. — (see Andaleeb, A. F.) **128**, 717–725
Sánchez-Juny, Martí — (see Amador, António) **128**, 1266–1273

Santolaria, Carlos — (see González, José) **128**, 454–462
_____ (see González, José) **128**, 937–946
Santolaria-Morros, Carlos — (see Ballesteros-Tajadura, Rafael) **128**, 359–369
Sargison, J. E. — (see Bunyawanichakul, P.) **128**, 1240–1250
Scavazze, Kevin J. — (see Martin, Michael J.) **128**, 1045–1052
Schaefer, Laura — (see Yuan, Peng) **128**, 142–150
_____ (see Yuan, Peng) **128**, 151–156
Schenstead, A. J. — (see Sumner, D.) **128**, 1122–1125(TB)
Schluter, Robert A. — (see Griffing, Evan M.) **128**, 276–283
Schnerr, Günter H. — (see Yuan, Weixing) **128**, 204(E)
Seena, Abu — (see Afzal, Noor) **128**, 548–558
Segal, Corin — (see Nori, Venkata) **128**, 494–506
Semenov, Yury — (see Horiguchi, Hironori) **128**, 430–438
Senaratne, Deepthika C. — (see Feigl, Kathleen) **128**, 55–61
Settles, Gary S. — (see Craven, Brent A.) **128**, 1251–1258
Shan, Jerry W., Atsavapranee, Paisan, Chang, Peter A., Wilson, Wesley M., and Verosto, Stephan — Characteristics of Fuel Droplets Discharged From a Compensated Fuel/Ballast Tank. **128**, 893–902
Shin, Hyoun-Woo — (see Yoon, Yong Sang) **128**, 1274–1280
Shipman, Jeremy — (see Ahuja, Vineet) **128**, 707–716
Shiraishi, Tadashi, Watakabe, Hisato, Sago, Hiromi, Konomura, Mamoru, Yamaguchi, Akira, and Fujii, Tadashi — Resistance and Fluctuating Pressures of a Large Elbow in High Reynolds Numbers. **128**, 1063–1073
Shorey, Aric B. — (see Kordonski, William I.) **128**, 20–26
Siginer, Dennis — Special Section on the Fluid Mechanics and Rheology of Nonlinear Materials at the Macro, Micro, and Nano Scale. **128**, 1–5(ED)
_____, **and Katz, Joseph** — In Memoriam. **128**, 202
Siikonen, T. — (see Rahman, M. M.) **128**, 1364–1376
Simmons, M. J. — (see Uddin, J.) **128**, 968–975
Singh, Sahjendra N. — (see Narasimhan, Mukund) **128**, 687–698
Somers, L. M. T. — (see Huijnen, V.) **128**, 1181–1191
Song, Seung Jin — (see Yoon, Yong Sang) **128**, 1274–1280
Spyratos, M. — (see Mitsoulis, Evan) **128**, 993–1003
Sreekanth, Sri — (see Zhang, Qiang) **128**, 568–578
Sriram, S., Deshpande, Abhijit P., and Pushpavanam, S. — Analysis of Spatiotemporal Variations and Flow Structures in a Periodically Driven Cavity. **128**, 413–420
Stern, Frederick — (see Kim, Jin) **128**, 799–810
Stiller, J. — (see Wienken, W.) **128**, 316–325
Subramaniam, S. — (see Gao, D.) **128**, 62–68
Sullerey, R. K. — (see Pradeep, A. M.) **128**, 1192–1203
Sullivan, P. E. — (see Yarusevych, S.) **128**, 587–595
Sumio, Shu — (see Watanabe, Keizo) **128**, 95–100
Sumner, D., and Schenstead, A. J. — Moderately and Widely Spaced Circular Cylinders in Crossflow and a Universal Wake Number. **128**, 1122–1125(TB)
Sun, Xiaodong — (see Lopez de Bertodano, Martin) **128**, 811–818
Susan-Resiga, Romeo, Dan Ciocan, Gabriel, Anton, Ioan, and Avellan, François — Analysis of the Swirling Flow Downstream a Francis Turbine Runner. **128**, 177–189
Suzuki, Masahiro — (see Itoh, Motoyuki) **128**, 88–94
Swanson, Nancy — (see Borg, John) **128**, 1295–1307
Szumowski, Andrzej P., and Wojciechowski, Jan — Semi-circular Rods Used to Control Turbulent Boundary Layer Separation at Cylindrical Surface. **128**, 628–631(TB)

Tafti, Danesh K. — (see Viswanathan, Aroon K.) **128**, 1336–1345
Tanabe, Yoshiyuki — (see Ishii, Eiji) **128**, 921–930
Tang, Qiang — (see Ran, Jingyu) **128**, 596–601
Thomas, D. K. — (see Wilkens, R. J.) **128**, 164–169
Trahan, Jeffrey F. — Stokes Drag on a Thin Circular Disk Moving Edgewise Midway Between Parallel Plane Boundaries. **128**, 887–889(TB)
Tricard, Marc — (see Kordonski, William I.) **128**, 20–26
Trindade, Ricardo — (see Zhang, Qiang) **128**, 568–578
Tromeur, Eric, Garnier, Eric, and Sagaut, Pierre — Analysis of the Sutton Model for Aero-Optical Properties of Compressible Boundary Layers. **128**, 239–246
Tsai, Wei-Ming — (see Yang, An-Shik) **128**, 1144–1152
Tsui, Yeng-Yung, Chou, Jian-Ren, and Hu, Yu-Chang — Blade Angle Effects on the Flow in a Tank Agitated by the Pitched-Blade Turbine. **128**, 774–782
Tsujimoto, Yoshinobu — (see Murayama, Masahiro) **128**, 421–429
_____ (see Horiguchi, Hironori) **128**, 430–438
Tu, M. Z. — (see Chung, C. A.) **128**, 388–393

Uddin, J., Decent, S. P., and Simmons, M. J. — The Instability of Shear Thinning and Shear Thickening Spiralling Liquid Jets: Linear Theory. **128**, 968–975
Ulke, Asim — (see Lopez de Bertodano, Martin) **128**, 811–818

Van den Bulck, Eric — (see Persoons, Tim) **128**, 656–670
Vatistas, Georgios H. — (see Jawarneh, Ali M.) **128**, 1377–1382
Velarde-Suárez, Sandra — (see Ballesteros-Tajadura, Rafael) **128**, 359–369
Venkateshan, S. P. — (see Wilson, L.) **128**, 638–642(TB)
Verosto, Stephan — (see Shan, Jerry W.) **128**, 893–902
Visbal, Miguel R. — (see Rizzetta, Donald P.) **128**, 956–967
Viswanathan, Aroon K., and Tafti, Danesh K. — A Comparative Study of DES and URANS for Flow Prediction in a Two-Pass Internal Cooling Duct. **128**, 1336–1345
Vo, Diep — (see Ramamurthy, A. S.) **128**, 1126–1129(TB)

Walker, G. J. — (see Bunyawanichakul, P.) **128**, 1240–1250
Wang, Meng — (see You, Donghyun) **128**, 1394–1399(TB)
Wang, Tao, Baker, Roger C., and Hussain, Yousif — An Advanced Numerical Model for Single Straight Tube Coriolis Flowmeters. **128**, 1346–1350
Wang, Zhengwei, and Zhou, Lingjiu — Simulations and Measurements of Pressure Oscillations Caused by Vortex Ropes. **128**, 649–655
Wasistho, B. — Transpiration Induced Shock Boundary-Layer Interactions. **128**, 976–986
Watakabe, Hisato — (see Shiraishi, Tadashi) **128**, 1063–1073
Watanabe, Keizo, Sumio, Shu, and Ogata, Satoshi — Formation of Taylor Vortex Flow of Polymer Solutions. **128**, 95–100
_____ (see Ogata, Satoshi) **128**, 794–798
Watkins, A. Paul — (see Nhumaio, Geraldo C. S.) **128**, 903–912
Watmuff, Jonathan H. — Effects of Weak Free Stream Nonuniformity on Boundary Layer Transition. **128**, 247–257
Wei, Jinjia, Li, Fengchen, Yu, Bo, and Kawaguchi, Yasuo — Swirling Flow of a Viscoelastic Fluid With Free Surface—Part I: Experimental Analysis of Vortex Motion by PIV. **128**, 69–76
_____ (see Yu, Bo) **128**, 77–87
Weng, C. S. — (see Chung, C. A.) **128**, 388–393
Wienken, W., Stiller, J., and Keller, A. — A Method to Predict Cavitation Inception Using Large-Eddy Simulation and its Application to the Flow Past a Square Cylinder. **128**, 316–325
Wilkens, R. J., Thomas, D. K., and Glassmeyer, S. R. — Surfactant Use for Slug Flow Pattern Suppression and New Flow Pattern Types in a Horizontal Pipe. **128**, 164–169
Wilson, L., Narasimhan, Arunn, and Venkateshan, S. P. — Permeability and Form Coefficient Measurement of Porous Inserts With Non-Darcy Model Using Non-Plug Flow Experiments. **128**, 638–642(TB)
Wilson, Wesley M. — (see Shan, Jerry W.) **128**, 893–902
Windhab, Erich J. — (see Megias-Alguacil, David) **128**, 1289–1294
Wojciechowski, Jan — (see Szumowski, Andrzej P.) **128**, 628–631(TB)
Wojtkowiak, Janusz, and Popiel, Czeslaw O. — Inherently Linear Annular-Duct-Type Laminar Flowmeter. **128**, 196–198(TB)

Woo, Nam-Sub, Kim, Young-Ju, and Hwang, Young-Kyu — Experimental Study on the Helical Flow in a Concentric Annulus With Rotating Inner Cylinder. **128**, 113–117
Woods, Jody — (see Ahuja, Vineet) **128**, 707–716
Wosnik, Martin — (see Amromin, Eduard) **128**, 931–936
Wright, John D. — (see Johnson, Aaron N.) **128**, 170–176

Xin, Mingdao — (see Ran, Jingyu) **128**, 596–601
Xu, B., Ai, X., and Li, B. Q. — Thermocapillary Instabilities of Low Prandtl Number Fluid in a Laterally Heated Vertical Cylinder. **128**, 1228–1235

Yamaguchi, Akira — (see Shiraishi, Tadashi) **128**, 1063–1073
Yanase, S. — (see Mondal, R. N.) **128**, 1013–1022
Yang, An-Shik, and Tsai, Wei-Ming — Ejection Process Simulation for a Piezoelectric Microdroplet Generator. **128**, 1144–1152
Yaras, Metin I. — (see Roberts, Stephen K.) **128**, 232–238
Yarusevych, S., Kawall, J. G., and Sullivan, P. E. — Airfoil Performance at Low Reynolds Numbers in the Presence of Periodic Disturbances. **128**, 587–595
Ybarra, Pedro Luis García — (see Oro, Jesús Manuel Fernández) **128**, 1390–1393(TB)
Yen, S. C., and Lin, Frank K. T. — Exit Flow Field and Performance of Axial Flow Fans. **128**, 332–340
Yoon, Yong Sang, Song, Seung Jin, and Shin, Hyoun-Woo — Influence of Flow Coefficient, Stagger Angle, and Tip Clearance on Tip Vortex in Axial Compressors. **128**, 1274–1280
Yoshida, Yoshiki — (see Murayama, Masahiro) **128**, 421–429
You, Donghyun, Wang, Meng, Mittal, Rajat, and Moin, Parviz — A Quasi-Generalized-Coordinate Approach for Numerical Simulation of Complex Flows. **128**, 1394–1399(TB)
Yovanovich, M. M. — (see Bahrami, M.) **128**, 632–637(TB)
——— (see Bahrami, M.) **128**, 1036–1044
Yu, Bo — (see Wei, Jinjia) **128**, 69–76
———, **Wei, Jinjia, and Kawaguchi, Yasuo** — Swirling Flow of a Viscoelastic Fluid With Free Surface—Part II: Numerical Analysis With Extended Marker-and-Cell Method. **128**, 77–87
Yuan, Peng, and Schaefer, Laura — A Thermal Lattice Boltzmann Two-Phase Flow Model and Its Application to Heat Transfer Problems—Part 1. Theoretical Foundation. **128**, 142–150
———, **and Schaefer, Laura** — A Thermal Lattice Boltzmann Two-Phase Flow Model and Its Application to Heat Transfer Problems—Part 2. Integration and Validation. **128**, 151–156
Yuan, Weixing, and Schnerr, Günter H. — Erratum: "Numerical Simulation of Two-Phase Flow in Injection Nozzles: Interaction of Cavitation and External Jet Formation" [Journal of Fluids Engineering, 2003, **125**(6), pp. 963–969]. **128**, 204(E)

Zhai, Chao — (see Ramamurthy, A. S.) **128**, 1126–1129(TB)
Zhang, Jinsuo — (see Chen, Yitung) **128**, 258–265
Zhang, L., and Balachandar, S. — Onset of Vortex Shedding in a Periodic Array of Circular Cylinders. **128**, 1101–1105
Zhang, Li — (see Ran, Jingyu) **128**, 596–601
Zhang, Qiang, Goodro, Matt, Ligrani, Phillip M., Trindade, Ricardo, and Sreekanth, Sri — Influence of Surface Roughness on the Aerodynamic Losses of a Turbine Vane. **128**, 568–578
Zhang, Xin — (see McManus, James) **128**, 520–530
——— (see Mahon, Stephen) **128**, 1172–1180
Zhou, Lingjiu — (see Wang, Zhengwei) **128**, 649–655
Zhu, Baoshan — (see Ro, Kideok) **128**, 481–487
Zinani, Flávia, and Frey, Sérgio — Galerkin Least-Squares Finite Element Approximations for Isochoric Flows of Viscoplastic Liquids. **128**, 856–863
Zisis, Th. — (see Mitsoulis, Evan) **128**, 993–1003